```
=> fil reg
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STRUCTURE FILE UPDATES:   26 DEC 2007  HIGHEST RN 959588-76-2
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REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> d que l6
L5            19 SEA FILE=REGISTRY ABB=ON  PLU=ON  PP.S.D..F...R.............QE.
                 ..R...../SQSP
L6            17 SEA FILE=REGISTRY ABB=ON  PLU=ON  L5 AND (SQL=38 OR SQL=39)


=> d l6 rn cn sql kwic lc nte tot

L6   ANSWER 1 OF 17  REGISTRY  COPYRIGHT 2007 ACS on STN
RN   935739-49-4  REGISTRY
CN   L-Isoleucinamide, 1-acetyl-L-prolyl-L-prolyl-L-isoleucyl-L-seryl-L-leucyl-
     L-α-aspartyl-L-leucyl-L-threonyl-D-phenylalanyl-L-histidyl-L-leucyl-
     L-leucyl-L-arginyl-L-α-glutamyl-L-valyl-L-leucyl-L-α-glutamyl-
     L-norleucyl-L-alanyl-L-arginyl-L-alanyl-L-α-glutamyl-L-glutaminyl-N-
     methyl-L-leucyl-L-alanyl-L-glutaminyl-L-glutaminyl-L-α-glutamyl-L-
     histidyl-L-seryl-L-lysyl-L-arginyl-L-lysyl-L-leucyl-L-norleucyl-L-α-
     glutamyl-N-methyl-L-leucyl-, (28→31)-lactam  (CA INDEX NAME)
SQL  38
SQL  38

SEQ      1 PPISLDLTFH LLREVLEXAR AEQLAQQEHS KRKLXELI
           ========== ========== ========== ========
HITS AT:   1-38

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC   STN Files:   CA, CAPLUS
NTE  modified (modifications unspecified)
------------------------------------------------------------------------
 type             ------ location ------          description
------------------------------------------------------------------------
bridge            Glu-28       - Lys-31       lactam
uncommon          Nle-18           -          -
uncommon          Nle-35           -          -
```

```
stereo           Phe-9           -         D
-----------------------------------------------------------------------

L6   ANSWER 2 OF 17  REGISTRY  COPYRIGHT 2007 ACS on STN
RN   935739-47-2  REGISTRY
CN   L-Isoleucinamide, 1-acetyl-L-prolyl-L-prolyl-L-isoleucyl-L-seryl-L-leucyl-
     L-α-aspartyl-L-leucyl-L-threonyl-D-phenylalanyl-L-histidyl-L-leucyl-
     L-leucyl-L-arginyl-L-α-glutamyl-L-valyl-L-leucyl-L-α-glutamyl-
     L-norleucyl-L-alanyl-L-arginyl-L-alanyl-L-α-glutamyl-L-glutaminyl-N-
     methyl-L-leucyl-L-alanyl-L-glutaminyl-L-glutaminyl-L-α-glutamyl-L-
     histidyl-L-seryl-L-lysyl-L-arginyl-L-lysyl-L-leucyl-L-norleucyl-L-α-
     glutamyl-N-methyl-L-leucyl-  (CA INDEX NAME)
SQL  38
SQL  38

SEQ      1 PPISLDLTFH LLREVLEXAR AEQLAQQEHS KRKLXELI
           ========== ========== ========== ========
HITS AT:   1-38

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC   STN Files:   CA, CAPLUS
NTE  modified (modifications unspecified)
-----------------------------------------------------------------------
 type            ------ location ------         description
-----------------------------------------------------------------------
uncommon         Nle-18          -         -
uncommon         Nle-35          -         -
stereo           Phe-9           -         D
-----------------------------------------------------------------------

L6   ANSWER 3 OF 17  REGISTRY  COPYRIGHT 2007 ACS on STN
RN   935739-46-1  REGISTRY
CN   L-Isoleucinamide, 1-acetyl-L-prolyl-L-prolyl-L-isoleucyl-L-seryl-L-leucyl-
     L-α-aspartyl-L-leucyl-L-threonyl-D-phenylalanyl-L-histidyl-L-leucyl-
     L-leucyl-L-arginyl-L-α-glutamyl-L-valyl-L-leucyl-L-α-glutamyl-
     L-norleucyl-L-alanyl-L-arginyl-L-alanyl-L-α-glutamyl-L-glutaminyl-L-
     leucyl-L-alanyl-L-glutaminyl-L-glutaminyl-L-α-glutamyl-L-histidyl-L-
     seryl-L-lysyl-L-arginyl-L-lysyl-L-leucyl-L-norleucyl-L-α-glutamyl-L-
     isoleucyl-, (28→31)-lactam  (CA INDEX NAME)
OTHER NAMES:
CN   Stressin1-A
SQL  38
SQL  38

SEQ      1 PPISLDLTFH LLREVLEXAR AEQLAQQEHS KRKLXEII
           ========== ========== ========== ========
HITS AT:   1-38

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC   STN Files:   CA, CAPLUS, PROUSDDR
NTE  modified
-----------------------------------------------------------------------
 type            ------ location ------         description
-----------------------------------------------------------------------
terminal mod.    Pro-1           -         N-acetyl
terminal mod.    Ile-38          -         C-terminal amide
bridge           Glu-28      - Lys-31      lactam
uncommon         Nle-18          -         -
```

```
uncommon          Nle-35          -          -
stereo            Phe-9           -          D
-------------------------------------------------------------------------

L6   ANSWER 4 OF 17  REGISTRY  COPYRIGHT 2007 ACS on STN
RN   935739-45-0  REGISTRY
CN   L-Isoleucinamide, 1-acetyl-L-prolyl-L-prolyl-L-isoleucyl-L-seryl-L-leucyl-
     L-α-aspartyl-L-leucyl-L-threonyl-D-phenylalanyl-L-histidyl-L-leucyl-
     L-leucyl-L-arginyl-L-α-glutamyl-L-valyl-L-leucyl-L-α-glutamyl-
     L-norleucyl-L-alanyl-L-arginyl-L-alanyl-L-α-glutamyl-L-glutaminyl-L-
     leucyl-L-alanyl-L-glutaminyl-L-glutaminyl-L-α-glutamyl-L-histidyl-L-
     seryl-L-lysyl-L-arginyl-L-lysyl-L-leucyl-L-norleucyl-L-α-glutamyl-L-
     isoleucyl-  (CA INDEX NAME)
SQL  38
SQL  38

SEQ      1 PPISLDLTFH LLREVLEXAR AEQLAQQEHS KRKLXEII
           ========== ========== ========== ========
HITS AT:   1-38

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC   STN Files:   CA, CAPLUS
NTE  modified
-------------------------------------------------------------------------
 type             ------ location ------         description
-------------------------------------------------------------------------
terminal mod.     Pro-1           -          N-acetyl
terminal mod.     Ile-38          -          C-terminal amide
uncommon          Nle-18          -          -
uncommon          Nle-35          -          -
stereo            Phe-9           -          D
-------------------------------------------------------------------------

L6   ANSWER 5 OF 17  REGISTRY  COPYRIGHT 2007 ACS on STN
RN   496031-25-5  REGISTRY
CN   L-Isoleucinamide, 1-acetyl-L-prolyl-L-prolyl-L-isoleucyl-L-seryl-L-leucyl-
     L-α-aspartyl-L-leucyl-L-threonyl-D-phenylalanyl-L-histidyl-L-leucyl-
     L-leucyl-L-arginyl-L-α-glutamyl-L-valyl-L-leucyl-L-α-glutamyl-
     L-norleucyl-L-alanyl-L-arginyl-L-alanyl-L-α-glutamyl-L-glutaminyl-L-
     leucyl-L-alanyl-L-glutaminyl-L-glutaminyl-L-α-glutamyl-L-histidyl-L-
     seryl-L-lysyl-L-arginyl-L-lysyl-L-leucyl-L-norleucyl-L-α-glutamyl-L-
     isoleucyl- (9CI)  (CA INDEX NAME)
SQL  38
SQL  38

SEQ      1 PPISLDLTFH LLREVLEXAR AEQLAQQEHS KRKLXEII
           ========== ========== ========== ========
HITS AT:   1-38

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC   STN Files:   CA, CAPLUS, TOXCENTER, USPATFULL
NTE  modified
-------------------------------------------------------------------------
 type             ------ location ------         description
-------------------------------------------------------------------------
terminal mod.     Pro-1           -          N-acetyl
terminal mod.     Ile-38          -          C-terminal amide
uncommon          Nle-18          -          -
```

```
uncommon          Nle-35          -          -
stereo            Phe-9           -          D
-----------------------------------------------------------------------

L6   ANSWER 6 OF 17  REGISTRY  COPYRIGHT 2007 ACS on STN
RN   496031-24-4  REGISTRY
CN   L-Isoleucinamide, 1-acetyl-L-prolyl-L-prolyl-L-isoleucyl-L-seryl-L-leucyl-
     L-α-aspartyl-L-leucyl-L-threonyl-D-phenylalanyl-L-histidyl-L-leucyl-
     L-leucyl-L-arginyl-L-α-glutamyl-L-valyl-L-leucyl-L-α-glutamyl-
     L-norleucyl-L-alanyl-L-arginyl-L-alanyl-L-α-glutamyl-L-glutaminyl-2-
     methyl-L-leucyl-L-alanyl-L-glutaminyl-L-glutaminyl-L-α-glutamyl-L-
     histidyl-D-alanyl-L-lysyl-L-arginyl-L-lysyl-L-leucyl-L-norleucyl-L-α-
     glutamyl-2-methyl-L-leucyl- (9CI)  (CA INDEX NAME)
SQL  38
SQL  38

SEQ      1 PPISLDLTFH LLREVLEXAR AEQLAQQEHA KRKLXELI
           ========== ========== ========== ========
HITS AT:   1-38

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC   STN Files:   CA, CAPLUS, TOXCENTER, USPATFULL
NTE  modified (modifications unspecified)
-----------------------------------------------------------------------
 type             ------ location ------          description
-----------------------------------------------------------------------
uncommon          Nle-18          -          -
uncommon          Nle-35          -          -
stereo            Phe-9           -          D
stereo            Ala-30          -          D
-----------------------------------------------------------------------

L6   ANSWER 7 OF 17  REGISTRY  COPYRIGHT 2007 ACS on STN
RN   496031-23-3  REGISTRY
CN   L-Isoleucinamide, 1-acetyl-L-prolyl-L-prolyl-L-isoleucyl-L-seryl-L-leucyl-
     L-α-aspartyl-L-leucyl-L-threonyl-D-phenylalanyl-L-histidyl-L-leucyl-
     L-leucyl-L-arginyl-L-α-glutamyl-L-valyl-L-leucyl-L-α-glutamyl-
     L-norleucyl-L-alanyl-L-arginyl-L-alanyl-L-α-glutamyl-L-glutaminyl-2-
     methyl-L-leucyl-L-alanyl-L-glutaminyl-L-glutaminyl-L-α-glutamyl-L-
     histidyl-D-alanyl-L-lysyl-L-arginyl-L-lysyl-L-leucyl-L-norleucyl-L-α-
     glutamyl-2-methyl-L-leucyl-, (28→31)-lactam (9CI)  (CA INDEX NAME)
SQL  38
SQL  38

SEQ      1 PPISLDLTFH LLREVLEXAR AEQLAQQEHA KRKLXELI
           ========== ========== ========== ========
HITS AT:   1-38

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC   STN Files:   CA, CAPLUS, TOXCENTER, USPATFULL
NTE  modified (modifications unspecified)
-----------------------------------------------------------------------
 type             ------ location ------          description
-----------------------------------------------------------------------
bridge            Glu-28      - Lys-31      lactam
uncommon          Nle-18          -          -
uncommon          Nle-35          -          -
stereo            Phe-9           -          D
```

```
stereo           Ala-30          -         D
-----------------------------------------------------------------------

L6   ANSWER 8 OF 17  REGISTRY  COPYRIGHT 2007 ACS on STN
RN   496031-22-2  REGISTRY
CN   L-Isoleucinamide, 1-acetyl-L-prolyl-L-prolyl-L-isoleucyl-L-seryl-L-leucyl-
     L-α-aspartyl-L-leucyl-L-threonyl-D-phenylalanyl-L-histidyl-L-leucyl-
     L-leucyl-L-arginyl-L-α-glutamyl-L-valyl-L-leucyl-L-α-glutamyl-
     L-norleucyl-L-alanyl-L-arginyl-L-alanyl-L-α-glutamyl-L-glutaminyl-2-
     methyl-L-leucyl-L-alanyl-L-glutaminyl-L-glutaminyl-L-α-glutamyl-L-
     histidyl-D-seryl-L-lysyl-L-arginyl-L-lysyl-L-leucyl-L-norleucyl-L-α-
     glutamyl-2-methyl-L-leucyl- (9CI)  (CA INDEX NAME)
SQL  38
SQL  38

SEQ      1 PPISLDLTFH LLREVLEXAR AEQLAQQEHS KRKLXELI
           ========== ========== ========== ========
HITS AT:   1-38

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC   STN Files:   CA, CAPLUS, TOXCENTER, USPATFULL
NTE  modified (modifications unspecified)
-----------------------------------------------------------------------
 type            ------ location ------         description
-----------------------------------------------------------------------
uncommon         Nle-18          -         -
uncommon         Nle-35          -         -
stereo           Phe-9           -         D
stereo           Ser-30          -         D
-----------------------------------------------------------------------

L6   ANSWER 9 OF 17  REGISTRY  COPYRIGHT 2007 ACS on STN
RN   496031-21-1  REGISTRY
CN   L-Isoleucinamide, 1-acetyl-L-prolyl-L-prolyl-L-isoleucyl-L-seryl-L-leucyl-
     L-α-aspartyl-L-leucyl-L-threonyl-D-phenylalanyl-L-histidyl-L-leucyl-
     L-leucyl-L-arginyl-L-α-glutamyl-L-valyl-L-leucyl-L-α-glutamyl-
     L-norleucyl-L-alanyl-L-arginyl-L-alanyl-L-α-glutamyl-L-glutaminyl-2-
     methyl-L-leucyl-L-alanyl-L-glutaminyl-L-glutaminyl-L-α-glutamyl-L-
     histidyl-D-seryl-L-lysyl-L-arginyl-L-lysyl-L-leucyl-L-norleucyl-L-α-
     glutamyl-2-methyl-L-leucyl-, (28→31)-lactam (9CI)  (CA INDEX NAME)
SQL  38
SQL  38

SEQ      1 PPISLDLTFH LLREVLEXAR AEQLAQQEHS KRKLXELI
           ========== ========== ========== ========
HITS AT:   1-38

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC   STN Files:   CA, CAPLUS, TOXCENTER, USPATFULL
NTE  modified (modifications unspecified)
-----------------------------------------------------------------------
 type            ------ location ------         description
-----------------------------------------------------------------------
bridge           Glu-28      - Lys-31      lactam
uncommon         Nle-18          -         -
uncommon         Nle-35          -         -
stereo           Phe-9           -         D
stereo           Ser-30          -         D
```

L6 ANSWER 10 OF 17 REGISTRY COPYRIGHT 2007 ACS on STN
RN 496031-20-0 REGISTRY
CN L-Isoleucinamide, 1-acetyl-L-prolyl-L-prolyl-L-isoleucyl-L-seryl-L-leucyl-L-α-aspartyl-L-leucyl-L-threonyl-D-phenylalanyl-L-histidyl-L-leucyl-L-leucyl-L-arginyl-L-α-glutamyl-L-valyl-L-leucyl-L-α-glutamyl-L-norleucyl-L-alanyl-L-arginyl-L-alanyl-L-α-glutamyl-L-glutaminyl-2-methyl-L-leucyl-L-alanyl-L-glutaminyl-L-glutaminyl-L-α-glutamyl-L-histidyl-2-methylalanyl-L-lysyl-L-arginyl-L-lysyl-L-leucyl-L-norleucyl-L-α-glutamyl-2-methyl-L-leucyl- (9CI) (CA INDEX NAME)
SQL 38
SQL 38

SEQ 1 PPISLDLTFH LLREVLEXAR AEQLAQQEHX KRKLXELI
========== ========== ========== ========
HITS AT: 1-38

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
NTE modified (modifications unspecified)

type	------ location ------		description
uncommon	Nle-18	-	-
uncommon	Aib-30	-	-
uncommon	Nle-35	-	-
stereo	Phe-9	-	D

L6 ANSWER 11 OF 17 REGISTRY COPYRIGHT 2007 ACS on STN
RN 496031-19-7 REGISTRY
CN L-Isoleucinamide, 1-acetyl-L-prolyl-L-prolyl-L-isoleucyl-L-seryl-L-leucyl-L-α-aspartyl-L-leucyl-L-threonyl-D-phenylalanyl-L-histidyl-L-leucyl-L-leucyl-L-arginyl-L-α-glutamyl-L-valyl-L-leucyl-L-α-glutamyl-L-norleucyl-L-alanyl-L-arginyl-L-alanyl-L-α-glutamyl-L-glutaminyl-2-methyl-L-leucyl-L-alanyl-L-glutaminyl-L-glutaminyl-L-α-glutamyl-L-histidyl-2-methylalanyl-L-lysyl-L-arginyl-L-lysyl-L-leucyl-L-norleucyl-L-α-glutamyl-2-methyl-L-leucyl-, (28→31)-lactam (9CI) (CA INDEX NAME)
SQL 38
SQL 38

SEQ 1 PPISLDLTFH LLREVLEXAR AEQLAQQEHX KRKLXELI
========== ========== ========== ========
HITS AT: 1-38

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
NTE modified (modifications unspecified)

type	------ location ------		description
bridge	Glu-28	- Lys-31	lactam
uncommon	Nle-18	-	-
uncommon	Aib-30	-	-
uncommon	Nle-35	-	-
stereo	Phe-9	-	D

L6 ANSWER 12 OF 17 REGISTRY COPYRIGHT 2007 ACS on STN
RN 496031-18-6 REGISTRY
CN L-Isoleucinamide, 1-acetyl-L-prolyl-L-prolyl-L-isoleucyl-L-seryl-L-leucyl-L-α-aspartyl-L-leucyl-L-threonyl-D-phenylalanyl-L-histidyl-L-leucyl-L-leucyl-L-arginyl-L-α-glutamyl-L-valyl-L-leucyl-L-α-glutamyl-L-norleucyl-L-alanyl-L-arginyl-L-alanyl-L-α-glutamyl-L-glutaminyl-2-methyl-L-leucyl-L-alanyl-L-glutaminyl-L-glutaminyl-L-α-glutamyl-L-histidyl-L-seryl-L-lysyl-L-arginyl-L-lysyl-L-leucyl-L-norleucyl-L-α-glutamyl-2-methyl-L-leucyl- (9CI) (CA INDEX NAME)
SQL 38
SQL 38

SEQ 1 PPISLDLTFH LLREVLEXAR AEQLAQQEHS KRKLXELI
========== ========== ========== ========
HITS AT: 1-38

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
NTE modified (modifications unspecified)

type	location		description
uncommon	Nle-18	-	-
uncommon	Nle-35	-	-
stereo	Phe-9	-	D

L6 ANSWER 13 OF 17 REGISTRY COPYRIGHT 2007 ACS on STN
RN 496031-17-5 REGISTRY
CN L-Isoleucinamide, 1-acetyl-L-prolyl-L-prolyl-L-isoleucyl-L-seryl-L-leucyl-L-α-aspartyl-L-leucyl-L-threonyl-D-phenylalanyl-L-histidyl-L-leucyl-L-leucyl-L-arginyl-L-α-glutamyl-L-valyl-L-leucyl-L-α-glutamyl-L-norleucyl-L-alanyl-L-arginyl-L-alanyl-L-α-glutamyl-L-glutaminyl-2-methyl-L-leucyl-L-alanyl-L-glutaminyl-L-glutaminyl-L-α-glutamyl-L-histidyl-L-seryl-L-lysyl-L-arginyl-L-lysyl-L-leucyl-L-norleucyl-L-α-glutamyl-2-methyl-L-leucyl-, (28→31)-lactam (9CI) (CA INDEX NAME)
SQL 38
SQL 38

SEQ 1 PPISLDLTFH LLREVLEXAR AEQLAQQEHS KRKLXELI
========== ========== ========== ========
HITS AT: 1-38

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
NTE modified (modifications unspecified)

type	location		description
bridge	Glu-28	- Lys-31	lactam
uncommon	Nle-18	-	-
uncommon	Nle-35	-	-
stereo	Phe-9	-	D

L6 ANSWER 14 OF 17 REGISTRY COPYRIGHT 2007 ACS on STN

RN 496031-16-4 REGISTRY
CN L-Leucinamide, l-acetyl-L-prolyl-L-prolyl-L-isoleucyl-L-seryl-L-leucyl-L-α-aspartyl-L-leucyl-L-threonyl-D-phenylalanyl-L-histidyl-L-leucyl-L-leucyl-L-arginyl-L-α-glutamyl-L-valyl-L-leucyl-L-α-glutamyl-L-norleucyl-L-alanyl-L-arginyl-L-alanyl-L-α-glutamyl-L-glutaminyl-2-methyl-L-leucyl-L-alanyl-L-glutaminyl-L-glutaminyl-L-α-glutamyl-L-histidyl-2-methylalanyl-L-lysyl-L-arginyl-L-lysyl-L-leucyl-L-norleucyl-L-α-glutamyl-L-isoleucyl-2-methyl-, (28→31)-lactam (9CI) (CA INDEX NAME)
SQL 38
SQL 38

SEQ 1 PPISLDLTFH LLREVLEXAR AEQLAQQEHX KRKLXEIL
========== ========== ========== ========
HITS AT: 1-38
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
NTE modified (modifications unspecified)

type	------ location ------		description
bridge	Glu-28	- Lys-31	lactam
uncommon	Nle-18	-	-
uncommon	Aib-30	-	-
uncommon	Nle-35	-	-
stereo	Phe-9	-	D

L6 ANSWER 15 OF 17 REGISTRY COPYRIGHT 2007 ACS on STN
RN 496031-15-3 REGISTRY
CN L-Leucinamide, l-acetyl-L-prolyl-L-prolyl-L-isoleucyl-L-seryl-L-leucyl-L-α-aspartyl-L-leucyl-L-threonyl-D-phenylalanyl-L-histidyl-L-leucyl-L-leucyl-L-arginyl-L-α-glutamyl-L-valyl-L-leucyl-L-α-glutamyl-L-norleucyl-L-alanyl-L-arginyl-L-alanyl-L-α-glutamyl-L-glutaminyl-2-methyl-L-leucyl-L-alanyl-L-glutaminyl-L-glutaminyl-L-α-glutamyl-L-histidyl-L-seryl-L-lysyl-L-arginyl-L-lysyl-L-leucyl-L-norleucyl-L-α-glutamyl-L-isoleucyl-2-methyl-, (28→31)-lactam (9CI) (CA INDEX NAME)
SQL 38
SQL 38

SEQ 1 PPISLDLTFH LLREVLEXAR AEQLAQQEHS KRKLXEIL
========== ========== ========== ========
HITS AT: 1-38
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
NTE modified (modifications unspecified)

type	------ location ------		description
bridge	Glu-28	- Lys-31	lactam
uncommon	Nle-18	-	-
uncommon	Nle-35	-	-
stereo	Phe-9	-	D

L6 ANSWER 16 OF 17 REGISTRY COPYRIGHT 2007 ACS on STN
RN 496031-14-2 REGISTRY
CN L-Isoleucinamide, l-acetyl-L-prolyl-L-prolyl-L-isoleucyl-L-seryl-L-leucyl-L-α-aspartyl-L-leucyl-L-threonyl-D-phenylalanyl-L-histidyl-L-leucyl-

L-leucyl-L-arginyl-L-α-glutamyl-L-valyl-L-leucyl-L-α-glutamyl-
L-norleucyl-L-alanyl-L-arginyl-L-alanyl-L-α-glutamyl-L-glutaminyl-L-
leucyl-L-alanyl-L-glutaminyl-L-glutaminyl-L-α-glutamyl-L-histidyl-L-
seryl-L-lysyl-L-arginyl-L-lysyl-L-leucyl-L-norleucyl-L-α-glutamyl-L-
isoleucyl-, (28→31)-lactam (9CI) (CA INDEX NAME)

SQL 38
SQL 38

SEQ 1 PPISLDLTFH LLREVLEXAR AEQLAQQEHS KRKLXEII
========== ========== ========== ========
HITS AT: 1-38

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
NTE modified

type	------ location ------		description
terminal mod.	Pro-1	-	N-acetyl
terminal mod.	Ile-38	-	C-terminal amide
bridge	Glu-28	- Lys-31	lactam
uncommon	Nle-18	-	-
uncommon	Nle-35	-	-
stereo	Phe-9	-	D

L6 ANSWER 17 OF 17 REGISTRY COPYRIGHT 2007 ACS on STN
RN 462692-83-7 REGISTRY
CN Peptide, (Pro-Pro-Leu-Ser-Ile-Asp-Leu-Thr-Phe-Xaa-Leu-Leu-Arg-Asn-Met-Met-
Gln-Arg-Ala-Glu-Met-Glu-Lys-Leu-Arg-Glu-Gln-Glu-Lys-Ile-Asn-Arg-Glu-Ile-
Leu-Glu-Gln-Val) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 11: PN: WO02074326 SEQID: 12 unclaimed protein
SQL 38
SQL 38

SEQ 1 PPLSIDLTFX LLRNMMQRAE MEKLREQEKI NREILEQV
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LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL
NTE

type	------ location ------		description
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FILE COVERS 1907 - 27 Dec 2007 VOL 147 ISS 26
FILE LAST UPDATED: 26 Dec 2007 (20071226/ED)

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L5 19 SEA FILE=REGISTRY ABB=ON PLU=ON PP.S.D..F...R.....QE.
..R...../SQSP
L6 17 SEA FILE=REGISTRY ABB=ON PLU=ON L5 AND (SQL=38 OR SQL=39)
L8 3 SEA FILE=CAPLUS ABB=ON PLU=ON L6

=> d l8 ibib abs hitrn tot

L8 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:247482 CAPLUS Full-text
DOCUMENT NUMBER: 146:474752
TITLE: Stressin1-A, a Potent Corticotropin Releasing Factor Receptor 1 (CRF1)-Selective Peptide Agonist
AUTHOR(S): Rivier, Jean; Gulyas, Jozsef; Kunitake, Koichi; DiGruccio, Michael; Cantle, Jeffrey P.; Perrin, Marilyn H.; Donaldson, Cindy; Vaughan, Joan; Million, Mulugeta; Gourcerol, Guillaume; Adelson, David W.; Rivier, Catherine; Tache, Yvette; Vale, Wylie
CORPORATE SOURCE: The Clayton Foundation Laboratories for Peptide Biology, The Salk Institute for Biological Studies, La Jolla, CA, 92037, USA
SOURCE: Journal of Medicinal Chemistry (2007), 50(7), 1668-1674
CODEN: JMCMAR; ISSN: 0022-2623
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English

AB The potencies and selectivity of peptide CRF antagonists is increased through structural constraints, suggesting that the resulting ligands assume distinct conformations when interacting with CRF1 and CRF2 receptors. To develop selective CRF receptor agonists, we have scanned the sequence -Gln-Ala-His-Ser-Asn-Arg- (residues 30-35 of [DPhe12,Nle21,38]Ac-hCRF4-41) with an i-(i+3) bridge consisting of the Glui-Xaa-Xbb-Lysi+3 scaffold, where residues i = 30, 31, and 32. When i = 31, stressin1-A, a potent CRF1 receptor-selective agonist was generated. In vitro, stressin1-A was equipotent to h/rCRF to release ACTH. Astressin1-A showed a low nanomolar affinity for CRF1 receptor (Ki = 1.7 nM) and greater than 100-fold selectivity vs. CRF2 receptor (Ki = 222 nM). Stressin1-A released slightly less ACTH than oCRF in adult adrenal-intact male rats, with increased duration of action. Stressin1-A, injected i.p. in rats, induced fecal pellet output (a CRF1 receptor-mediated response) and did not influence gastric emptying and blood pressure (CRF2 receptor-mediated responses).

IT 935739-45-8P 935739-46-9P, Stressin1-A
935739-47-0P 935739-49-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL

(Biological study); PREP (Preparation)
(Stressin1-A as CRF1-selective peptide agonist)
REFERENCE COUNT: 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:117793 CAPLUS Full-text
DOCUMENT NUMBER: 138:153832
TITLE: Preparation of corticotropin-releasing factor (CRF) analogs as CRF receptor type 1 (CRFR1) selective ligands
INVENTOR(S): Rivier, Jean E. F.; Vale, Wylie W., Jr.; Perrin, Marilyn H.; Guylas, Jozsef
PATENT ASSIGNEE(S): The Salk Institute for Biological Studies, USA
SOURCE: PCT Int. Appl., 43 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003011823	A2	20030213	WO 2002-US24238	20020730
WO 2003011823	A3	20070920		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, AP, EA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, EP, OA				
CA 2455223	A1	20030213	CA 2002-2455223	20020730
AU 2002355742	A1	20030217	AU 2002-355742	20020730
JP 2005510458	T	20050421	JP 2003-517015	20020730
EP 1572679	A2	20050914	EP 2002-752639	20020730
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US 2004204564	A1	20041014	US 2004-763935	20040122
PRIORITY APPLN. INFO.:			US 2001-309504P P	20010801
			WO 2002-US24238 W	20020730

OTHER SOURCE(S): MARPAT 138:153832
AB Corticotropin-releasing factor (CRF) peptides Y1-Pro-Pro-R6-Ser-R8-Asp-R10-R11-D-Phe-R13-R14-R15-Arg-R17-R18-R19-R20-R21-R22-R23-R24-R25-R26-R27-R28-R29-Gln-Glu-R32-R33-R34-Arg-R36-R37-R38-R39-R40-R41-NH2 (Y1 is acyl having < 15 carbon atoms or radioiodinated tyrosine; the R groups represent various amino acid residues which are defined) or their nontoxic salts are claimed for selective binding to CRFR1. Thus, cyclo(31-34)(Ac-Pro4,D-Phe12,Nle21,38,Glu31,Lys34)-r/hCRF(4-41) was prepared by the solid-phase method and shown to bind hCRFR1 with high affinity and significantly lowered blood pressure when administered peripherally.
IT 496031-18-6P 496031-26-0P 496031-22-2P
496031-24-4P 496031-25-5P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of corticotropin-releasing factor (CRF) analogs as CRF

receptor
type 1 (CRFR1) selective ligands)
IT 496031-14-2P 496031-15-3P 496031-16-4P
496031-17-5P 496031-19-7P 496031-21-1P
496031-23-3P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of corticotropin-releasing factor (CRF) analogs as CRF receptor
type 1 (CRFR1) selective ligands)

L8 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:736126 CAPLUS Full-text
DOCUMENT NUMBER: 137:257953
TITLE: A new human urocortin identified by sequence homology acting as an agonist for type II corticotropin releasing factor receptors
INVENTOR(S): Vale, Wylie W., Jr.; Rivier, Jean E.; Kunitake, Koichi S.; Lewis, Kathy A.; Perrin, Marilyn H.; Gulyas, Jozsef
PATENT ASSIGNEE(S): Research Development Foundation, USA
SOURCE: PCT Int. Appl., 81 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002074326	A2	20020926	WO 2002-US9115	20020315
WO 2002074326	A3	20021114		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2425902	A1	20020926	CA 2002-2425902	20020315
AU 2002306853	A1	20021003	AU 2002-306853	20020315
US 2003036507	A1	20030220	US 2002-99766	20020315
US 6812210	B2	20041102		
EP 1368051	A2	20031210	EP 2002-753685	20020315
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
NZ 524477	A	20041126	NZ 2002-524477	20020315
JP 2005505244	T	20050224	JP 2002-573033	20020315
RU 2305109	C2	20070827	RU 2003-104977	20020315
ZA 2002009934	A	20060628	ZA 2002-9934	20021209
US 2004143095	A1	20040722	US 2004-771224	20040203
US 6953838	B2	20051011		
US 2006003937	A1	20060105	US 2005-214371	20050829
AU 2006225288	A1	20061026	AU 2006-225288	20061006
PRIORITY APPLN. INFO.:			US 2001-276069P P	20010315
			US 2001-294914P P	20010531
			US 2002-99766 A3	20020315

WO 2002-US9115 W 20020315
US 2004-771224 A1 20040203

AB A search of the public human genome database identified a human EST (GenBank AW293249) highly similar pufferfish urocortin sequences. The full length sequence was amplified from human genomic DNA and sequenced. Sequence homol. comparisons of the novel sequence with human urocortin I and urocortin II revealed that the sequence encoded a novel human urocortin, which was designated urocortin III (UcnIII). While urocortin III does not have high affinity for either of the corticotropin releasing factor receptors CRF-R1 or CRF-R2, the affinity for CRF-R2 is greater than the affinity for CRF-R1. Urocortin III is capable stimulating cAMP production in cells expressing CRF-R2α or β. Thus, the affinity is high enough that urocortin III could act as a native agonist of CRF-R2 and so could be the lead compound for the development of therapeutics acting on the receptor. N-terminal deletion derivs. of urocortin III were effective antagonists. However, it is also likely that urocortin III is a stronger agonist of a yet to be identified receptor.

IT 462692-83-7

RL: PRP (Properties)
(unclaimed protein sequence; new human urocortin identified by sequence homol. acting as an agonist for type II corticotropin releasing factor receptors)

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                  SEL RN

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                  496031-23-3/BI OR 496031-24-4/BI OR 496031-25-5/BI OR 9015-71-8
                  /BI)
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L3            12 SEA ABB=ON  PLU=ON  L2 AND (SQL=38 OR SQL=39)

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     FILE 'REGISTRY' ENTERED AT 13:05:28 ON 27 DEC 2007
L9             5 SEA ABB=ON  PLU=ON  L6 NOT L7

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     FILE 'REGISTRY' ENTERED AT 13:10:09 ON 27 DEC 2007
                D QUE L6
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FILE 'CAPLUS' ENTERED AT 13:11:01 ON 27 DEC 2007
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